

INNOVATION



FS 520 FORMING SYSTEM

For burgers, balls, croquettes, sticks and 3D shapes on conveyor belts or racks

- **HIGH PRODUCTION OUTPUT** with up to 250 cycles per minute
- **HIGHLY EFFICIENT** due to less raw material give-away
- **FIRST-CLASS PRODUCT QUALITY** due to rotating hole plate system
- **FLEXIBILITY** due to choice of producing either on a conveyor belt, tray or rack
- **WIDE RANGE OF SHAPES** extended further due to flattening belt or structuring roller
- **MAXIMUM WEIGHT ACCURACY** per lane and product due to servo-driven filling flow divider
- **RATIONALISATION** due to continuous production
- **HIGH LEVEL OF PRODUCTIVITY** due to increase in daily production
- **EXCELLENT HANDLING** due to operator-friendly ergonomics
- **COST SAVINGS** due to low maintenance costs and easy cleaning

Industrial production with the FS 520

Forming with hole plate system on a conveyor belt or rack

The FS 520 forming system is designed for the 6 to 8-lane, fully-automatic production of a wide variety of 3D product shapes.

Fields of application are meat, convenience, dairy/cheese, fish, vegetable/vegetarian products...

PRODUCT EXAMPLES formed products

Minced meat balls, potato products, dumplings, cevapcici, soup add-ins, dough products

PRODUCT EXAMPLES flattened products

"Homemade" burgers, oval burgers, fish rissoles, vegetable burgers, rissoles, mini rissoles

The process

The filling product is fed to the filling flow divider by a vacuum filler. The active servo-driven filling flow divider ensures precise rotor speed in the filling flow divider. The result is a continuous product flow without pressure fluctuations, and thus more accurate final weights. The filling flow divider ejects the filling product in multi-lane filling flows via mould components. The product shape can be shown on the screen and the process parameters can be calculated via the vacuum filler control system. The rotating hole plate system forms the products into the required 3D shape. The shape can be changed by simply switching a few mould components. The conveyor belt for transporting the products or for transferring them to downstream systems can be removed easily and quickly for cleaning.



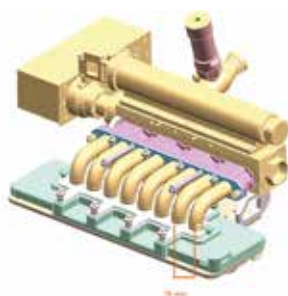
↑ FS 520



↑ Structuring roller



↑ FST 546 6 lanes



↑ FST 546 8 lanes

PERFORMANCE PARAMETERS

- FST 546 filling flow divider with servo drive, 6 or 8 lanes
- Forming module integrated onto the machine base with servo drive
- Rotating hole plate system
- Product diameter up to 65 mm (correspondingly larger when flattened)
- Conveyor belt with servo drive: Height 990 to 1,140 mm
Width 600 mm

OPTIONAL ACCESSORIES

- Flattening belt for burgers with a flattening height of 5 to 55 mm (speed at the product can be adapted due to separate drive)
- Structuring rollers for various product surfaces
- Inline grinding system in the VF for even further improvement of the product quality
- HCU software in the VF for centralised production control

PRODUCTS AND APPLICATIONS

